

WHAT IS CLAIMED IS:

1. An information processing apparatus for performing a process for searching for a file stored in a
5 memory, the apparatus comprising:

file information obtaining means for obtaining predetermined information from the file;

right information obtaining means for obtaining right information indicating a user who can access the file;

10 index storing means for storing an index in which information obtained by the file information obtaining means is associated with right information obtained by the right information obtaining means;

keyword inputting means for accepting keyword input
15 for searching for the file;

user specifying means for specifying a user who input the keyword;

search query generating means for generating a search query from a keyword input from the keyword inputting
20 means and information indicating a user specified by the user specifying means; and

searching means for searching the index storing means for an index corresponding to a search query generated by the search query generating means.

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2. The information processing apparatus according to claim 1, wherein the user specifying means specifies a user

by referring to a user ID and password input when the user logs in.

3. The information processing apparatus according to
5 claim 1, wherein the memory has hierarchy structure and
right information is set for each hierarchy, further wherein
the right information obtaining means makes a synthesis of
right information regarding a hierarchy higher than the
hierarchy in which a file to be obtained is stored and right
10 information regarding the file right information regarding
the file.

4. The information processing apparatus according to
claim 1, wherein the right information obtaining means
15 updates right information regarding a corresponding index
stored in the index storing means when right information
regarding the file is changed.

5. The information processing apparatus according to
20 claim 1, further comprising procedure storing means for
storing procedures for obtaining information from the memory,
wherein procedures stored in the procedure storing means are
referred to in order to obtain predetermined information
from the memory.

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6. The information processing apparatus according to
claim 1, wherein the right information includes information

for giving access rights to a group consisting of a plurality of users.

7. The information processing apparatus according to claim 6, wherein if access rights for a file are given to a predetermined group, the index storing means stores information for specifying all users making up the group by associating this information with a corresponding index.

8. The information processing apparatus according to claim 1, wherein the right information includes information for giving access rights to all users.

9. The information processing apparatus according to claim 1,

wherein the index storing means stores a plurality of indexes generated from a file store, being a set of files stored in one or more memories, as a group of indexes regarding the file store,

further wherein the searching means searches a corresponding group of indexes when information for specifying the file store is input from the keyword inputting means.

10. The information processing apparatus according to claim 9, wherein when a plurality of file stores are searched, the searching means makes the sum of results

obtained by searching each of the file stores objective search results.

11. The information processing apparatus according
5 to claim 1,

wherein the index storing means stores a plurality of indexes generated from a plurality of file stores as a group of indexes regarding these file stores,

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further wherein the searching means searches a
10 corresponding group of indexes when information for specifying the file store is input from the keyword inputting means.

12. The information processing apparatus according
15 to claim 11,

wherein the index storing means also stores information for specifying a corresponding file store by associating,

further wherein when information for specifying a
20 predetermined file store is input from the keyword inputting means, the search query generating means generates a search query including information for specifying the file store,

further wherein the searching means searches a corresponding index by collating information stored in the
25 index storing means for specifying a corresponding file store with information included in a search query for specifying a file store.

13. The information processing apparatus according to claim 12, wherein the search query generating means makes the logical sum of a search query for each file store an
5 objective search query when a plurality of file stores are searched.

14. The information processing apparatus according to claim 1, wherein the index storing means gives
10 predetermined right information to all indexes so that a particular user can search for all files.

15. The information processing apparatus according to claim 1, wherein the search query generating means
15 generates a search query not including the information indicating a user regarding a particular user.

16. The information processing apparatus according to claim 1, wherein when a new index is generated, the index
20 storing means stores an index access to which does not need to be limited with right information for permitting all users to access given.

17. The information processing apparatus according
25 to claim 1,

wherein the index storing means gives a group of indexes access to which does not need to be limited an

identification sign indicating to that effect,

further wherein when a group of indexes with the identification sign are searched, the search query generating means generates a search query not including the
5 information indicating a user.

18. An information processing method for performing a process for searching for a file stored in a memory, the method comprising:

10 a file information obtaining step for obtaining predetermined information from the file;

a right information obtaining step for obtaining right information indicating a user who can access the file;

an index storing step for storing an index in which
15 a keyword obtained by the file information obtaining step is associated with right information obtained by the right information obtaining step;

a keyword inputting step for accepting keyword input for searching for the file;

20 a user specifying step for specifying a user who inputted the keyword;

a search query generating step for generating a search query from a keyword input from the keyword inputting step and information indicating a user specified by the user
25 specifying step; and

a searching step for searching the index storing step for an index corresponding to a search query generated

by the search query generating step.

19. A computer-readable record medium recording a computer program for performing a process for searching for a file stored in a memory, the program comprising the functions of:

file information obtaining means for obtaining predetermined information from the file;

right information obtaining means for obtaining right information indicating a user who can access the file;

index storing means for storing an index in which information obtained by the file information obtaining means is associated with right information obtained by the right information obtaining means;

keyword inputting means for accepting keyword input for searching for the file;

user specifying means for specifying a user who input the keyword;

search query generating means for generating a search query from a keyword input from the keyword inputting means and information indicating a user specified by the user specifying means; and

searching means for searching the index storing means for an index corresponding to a search query generated by the search query generating means.